

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020530**Date Inspected:** 13-Aug-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**CWI Name:** Mr. Zhu Zhong Hai.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Trial Assembly**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Raghavendra Reddy was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

This QA Inspector observed the following work in progress:

**SEGMENT # 9W:**

Flux Cored Arc Welding (FCAW) of weld joint SEG059B-008,007(10AW),SEG057B-027,028(9EW), Welder is identified as 202384,049541. ZPMC Quality Control (QC) is identified as Mr. Zhu Yuan Yuan. The welding variables appeared to comply with the Applicable WPS: WPS-B-T-2132.

FCAW of weld joint SEG057B-007,SEG055B-044,(9DW-9EW), Welder is identified as 040609. ZPMC Quality Control (QC) is identified as Mr. Zhu Yuan Yuan. The welding variables appeared to comply with the Applicable WPS: WPS-B-T-2132.

Shielded Metal Arc Welding (SMAW) welding of welds joint SEG051C-001(9BW).And Welding Repair Report(WR),B-WR14553,Welder is identified as 047864. ZPMC Quality Control (QC) is identified as Mr. Zhu Yuan Yuan. The welding variables appeared to comply with the Applicable WPS-345-SMAW-4G-FCM-Repair.

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

CROSS BEAM (CB) 12:

Tagging in progress and The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted Notification No.06395

Magnetic Particle Testing (MT)

This QA Inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a MT report for this date. The member is identified as CB#12 Tagging weld. The weld designations reviewed are as follows.

1.CB201G-035-045,046,147,165,047,048.

2.CB201G-036-045,046,147,165,047,048.

Note:

1) CB 12 is identified as confined space.

2) NDT (MT) Inspection Delayed From 10:15am till 15:30 due to non availability of: electric supply, ventilation (blower) & grinder.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michael Ng (15921845703), who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Tharikoppada,Reddy
----------------------	--------------------

Quality Assurance Inspector
-----------------------------

---

<b>Reviewed By:</b>	Miller,Mark
---------------------	-------------

QA Reviewer
-------------